



United States Department of the Interior

5/001/054

BUREAU OF LAND MANAGEMENT

Cedar City Field Office
176 East DL Sargent Drive
Cedar City, Utah 84720

In Reply Refer To:
UT-040
3809: UTU-78612

June 12, 2000

Mr. Mark Dotson, President
Breccia Development, Inc.
P.O. Box 492
Milford, Utah 84751

Dear Mr. Dotson:

This letter acknowledges receipt of your notice of intent, received in this office on May 26, 2000, for exploration and mining work for fluorspar at the inactive JB Mine. The mine is located within portions of sections 19 and 30, T. 30 S., R. 17 W., along the Sheep Creek drainage on the eastern slopes of the Indian Peak Range, Beaver County, Utah. The notice proposes initially exploratory work including the removal of stockpiled materials, cleaning out existing open cuts, surface trenching with track hoe and/or bulldozer, and drilling. Subsequent work might involve ongoing commercial surface mining and processing of fluorspar at the rate of 10,000 tons/year. Disturbance for the project is estimated at 3 acres.

The notice has been reviewed for compliance with regulations found at 43 CFR 3809 and possible conflicts with cultural resources, threatened or endangered (T & E) plants and animals, and land status. No conflicts were identified and the notice is in compliance with federal regulations. The notice has been accepted under file number UTU-78612. Please use this number in all future correspondence with this office.

A copy of the information provided in your notice has been forwarded to the Utah Division of Oil, Gas, and Mining (DOGM). Therefore, you will not be required to provide this information to them. DOGM has requested that we remind all operators that until the necessary permit fees have been received by their agency, they do not consider the work approved for start-up.

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Surface management regulations (43 CFR 3809) require reclamation of all disturbed public land and that reasonable measures be taken to prevent unnecessary or undue degradation of the land. The operating practices and reclamation standards attached apply to the disturbances to be made under this notice.

Please be aware that even though much of your work may be conducted on ground previously extensively disturbed by mining and processing operations (presumably pre-State and Federal reclamation law), the length of time that has elapsed since those activities were conducted has allowed for extensive natural site re-vegetation. Any areas re-disturbed through the proposed exploration and mining work will be held to the full reclamation standard.

If your operations extend for more than a year, please advise us of the status of your mining or exploration activities on the anniversary of your notice.

If you have any questions, feel free to call me at (435) 865-3040.

Sincerely,



Ed Ginouves
Mining Engineer

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xc: Tom Munson, DOGM - with copy of notice UTU-78612, RS, SOP's.

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DIVISION OF
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for

Exploration/Mining Activities in the Beaver River Resource Area, Cedar City Field Office

1. At the earliest feasible time, the operator will reclaim the area disturbed, except to the extent necessary to preserve evidence of mineralization and roads needed for continuing mineral exploration. Reclamation will include reasonable measures to prevent or control onsite and offsite damage of public lands.
2. Reclamation will include but not be limited to:
 - a. Saving topsoil (top 3 to 6 inches) for final application after reshaping of disturbed areas.
 - b. Controlling erosion, landslides, and water runoff.
 - c. Isolating, removing, or controlling toxic materials.
 - d. Reshaping disturbed areas, applying topsoil, and re-vegetating where reasonably practicable.
 - e. Controlling noxious weeds invading the site.
 - f. Rehabilitating fisheries and wildlife habitat.
3. Access roads, unless otherwise approved by the authorized officer, will be closed by reshaping the disturbed area to near original contours, scarifying where compaction prevents seed covering, and re-vegetating with the mixture specified below. Water bars will be placed on steep inclines and access blocked to future vehicular traffic.
4. Unless otherwise approved in the acceptance of the notice, all high walls or material piles will be re-contoured to slopes not steeper than 3:1 and re-vegetated using the recommended mixture.
5. Authorized pits with high walls in excess of 4 feet will be fenced or barricaded to protect unsuspecting public land users from injury. All shafts and adits will be covered or blocked to prevent unauthorized or accidental entry.
6. Seeding of disturbed areas will be done between September 30 and December 15. Seed should not be placed on top of deep snow. Seed beds will be prepared to a depth of 6 inches by ripping, discing, or harrowing. Seed will be planted with a rangeland or farm drill or broadcast seeded. If broadcast seeded, the seed will be harrowed or raked $\frac{1}{4}$ to $\frac{1}{2}$ inch into the soil. The seed amount described below will be doubled if the area is broadcast seeded. The recommended seed mixture (grain) to be used on all disturbed areas if applied by a drill includes:

Blue-bunch wheatgrass	2 lb / acre
Indian ricegrass (var. Nezpar)	1 lb / acre
Smooth brome grass	1 lb / acre
Pubescent wheatgrass	1 lb / acre
Small Burnet	1 lb / acre
Fourwing saltbush	$\frac{1}{2}$ lb / acre
Bitterbrush	$\frac{1}{2}$ lb / acre
Lewis Flax	$\frac{1}{2}$ lb / acre
Palmer Penstemon	$\frac{1}{2}$ lb / acre
7. All hazardous tailing dumps, materials or substances produced by the operation will be disposed of in accordance with applicable federal and state laws. All waste, debris, buildings, and materials will be removed from the site and deposited at appropriate waste facilities.
8. All dry drill holes will be plugged with uncontaminated native material to a depth of 5 feet. The top 5 feet will be plugged with cement. Drill holes which encounter water will also be cemented from at least 50 feet below to 50 feet above the saturated zone. The location, depth, and relative flow rate of any subsurface water encountered will be reported to the authorized officer.
9. Additional reclamation requirements may be needed on a case-by-case basis. These additional requirements will be issued by the authorized officer after consultation with the operator.
10. The authorized officer will be notified within 10 days of final reclamation.

STANDARD OPERATING PROCEDURES
for
Exploration/Mining Activities in the Beaver River Resource Area, Cedar City Field Office

1. Existing road access will be used whenever possible. Access will be planned for the minimum width needed for operations and will not exceed 16 feet in width. Roads will follow natural contours where practicable to minimize the need for cut and fill. The cuts from construction or improvement of access will be less than 3 feet on the inside edge. The authorized officer will be notified of any exceptions before construction begins.
2. Disturbance of existing vegetation will be held to the minimum necessary for the operation. Large vegetation such as pinion and juniper trees will be avoided whenever possible.
3. If cultural resources are encountered, including all historic or prehistoric artifacts or structures, the operator will immediately suspend operations and report the findings to the BLM area or district office. It is the responsibility of the operator to ensure there is no removal or destruction of historic and prehistoric remains on public lands.
4. If an endangered species is encountered, the operator will avoid the species and immediately inform the BLM area office. Wild horses, wildlife and livestock will not be harassed.
5. All sites will be kept in a safe, clean, and environmentally stable condition. Any hazardous materials used in the operation must be pre-approved by BLM personnel and kept in approved safe containers. The BLM area or district office will be immediately notified of any spills or accidents involving hazardous materials.
6. Water from stock-water reservoirs, springs, and wells will not be used for operations unless prior approval has been granted by the individual or agency responsible for the water rights of the source.
7. All official survey monuments, witness corners, reference monuments, bearing trees, etc., will be protected against destruction, obliteration or damage. Current mining claim markers will also be protected. When mining or exploration activities are concluded, the operator will remove all operation survey markers, stakes, flagging, etc., which are not needed for ongoing activities.
8. Wet roads should be avoided when ruts of two inches or deeper will result from road use. The operator will be responsible for reconditioning public roads used under these conditions.

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